

Application No.: 10/534,010

2

Docket No.: 59564(71699)

What is claimed is:

1. (Currently Amended) A method of killing a tumor cell comprising contacting the cell with at least one small inhibitory RNA (siRNA), wherein the siRNA is encoded by a nucleic acid molecule that is at least 85% 95% identical to SEQ ID NO: 4, or a portion thereof, specific for a DNA repair protein and at least one DNA-damaging agent, wherein the siRNA and the at least one DNA damaging agent kill a tumor cell.

2. (Currently Amended) The method of claim 1, wherein the siRNA encoded by the nucleic acid molecule DNA repair protein is specific for the DNA repair protein ATM.

3. (Previously Presented) The method of claim 1, wherein the siRNA is encoded by SEQ ID NO: 4.

4 - 22. (Canceled)

23. (Original) A method of treating a subject having cancer comprising administering to the subject a therapeutically effective amount of at least one small inhibitory RNA (siRNA) specific for a DNA repair protein and a therapeutically effective amount of at least one DNA-damaging agent.

24. (Previously Presented) The method of claim 23, wherein the DNA repair protein is ATM.

25 - 51. (Canceled)

52. (New) A method of killing a tumor cell comprising contacting the cell with at least one small inhibitory RNA (siRNA), wherein the siRNA is encoded by SEQ ID NO: 4, and at least one DNA-damaging agent, wherein the siRNA and the at least one DNA damaging agent kill a tumor cell.

BOS2 698651.1